

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Allowed) A liquid crystal device comprising:
a liquid crystal arranged between first and second substrates;
a plurality of dot areas;
a reflective conductive film formed on or above the first substrate, and reflecting light from outside of the second substrate; and
a light-transmitting metal oxide film laminated on the reflective conductive film so that the outer edge of the metal oxide film is in contact with the first substrate; and
wherein the outer edge of the metal oxide film transmits light from outside the first substrate, while the reflective conductive film reflects light from the outside of the second substrate, in each of the dot areas.

2. (Allowed) A liquid crystal device comprising:
a liquid crystal arranged between first and second substrates;
a plurality of dot areas;
an underlying film provided on the first substrate;
a reflective conductive film formed on or above the underlying film, and reflecting light from outside of the second substrate; and
a light-transmitting metal oxide film laminated on the reflective conductive film so that the outer edge of the metal oxide film is in contact with the underlying film;
wherein the outer edge of the metal oxide film transmits light from outside the first substrate, while the reflective conductive film reflects light from the outside of the second substrate, in each of the dot areas.

3. (Allowed) A liquid crystal device according to Claim 1, wherein the edge in contact with the first substrate constitutes a light-transmitting portion in one display dot in a transflective system liquid crystal display.

4. (Allowed) A liquid crystal device according to Claim 2, wherein the edge in contact with the underlying film constitutes a light-transmitting portion in one display dot in a transflective system liquid crystal display.

5. (Allowed) A liquid crystal device according to Claim 2, wherein the underlying film contains a metal oxide.

6. (Allowed) A liquid crystal device comprising:
a liquid crystal arranged between first and second substrates;
a reflective conductive film formed on the first substrate;
a light-transmitting metal oxide film laminated on the reflective conductive film so that the edge of the metal oxide film is in contact with the first substrate;
an illumination means for irradiating the liquid crystal with light from outside the first substrate; and
a reflecting layer provided on the reflective conductive film, for reflecting blue component light.

7. (Allowed) A liquid crystal device according to Claim 1, wherein the reflective conductive film and the metal oxide film form a first electrode for applying a voltage to the liquid crystal.

8. (Allowed) A liquid crystal device according to Claim 7, further comprising a second electrode formed on the second substrate opposite to the first electrode, and a color layer provided corresponding to the crossing regions between the first and second electrodes.

9. (Allowed) A liquid crystal device according to Claim 7, wherein the first electrode comprises a stripe electrode constituting a simple matrix system liquid crystal device.

10. (Allowed) A liquid crystal device according to Claim 7, wherein the first electrode is a dot electrode constituting an active matrix system liquid crystal device.

11. (Allowed) A liquid crystal device comprising:
a liquid crystal arranged between first and second substrates;
a reflective conductive film formed on the first substrate;
a light-transmitting metal oxide film laminated on the reflective conductive film so that the edge of the metal oxide film is in contact with the first substrate, the reflective conductive film and the metal oxide film forming a first electrode for applying a voltage to the liquid crystal;

an illumination means for irradiating the liquid crystal with light from outside the first substrate; and

a second electrode formed on the second substrate opposite to the first electrode, wiring connected to the first electrode, and wiring connected to the second electrode, wherein a display area comprises a collection of the crossing regions of the first and second electrodes, the wiring connected to the first electrode and the wiring

connected to the second electrode are present outside the display area, and at least one of the wirings comprises a metal oxide to eliminate the reflective conductive film.

12. (Allowed) A liquid crystal device according to Claim 1, wherein the reflective conductive film is made of a single silver material or an alloy containing silver.

13. (Allowed) A liquid crystal device according to Claim 1, wherein the metal oxide film is made of ITO (Indium Tin Oxide).

14. (Allowed) A liquid crystal device according to Claim 1, wherein the area of the edge in contact with the first substrate is 10 to 70%, preferably 30 to 50%, of the area of one display dot to which the edge belongs.

15. (Allowed) A liquid crystal device according to Claim 2, wherein the area of the edge in contact with the underlying film is 10 to 70% of the area of one display dot to which the edge belongs.

16. (Allowed) A method of manufacturing a liquid crystal device comprising a liquid crystal arranged between first and second substrates and a plurality of dot areas, the method comprising:

the step of forming a reflective conductive film on or above the first substrate for reflecting light from outside of the second substrate; and

the step of forming a light-transmitting metal oxide film on the reflective conductive film so that an outer edge of the metal oxide film contacts the first substrate; wherein the outer edge of the metal oxide film transmits light from outside the first

substrate, while the reflective conductive film reflects light from the outside of the second substrate, in each of the dot areas.

17. (Allowed) A method of manufacturing a liquid crystal device comprising a liquid crystal arranged between first and second substrates and a plurality of dot areas, the method comprising:

the step of forming an underlying film on the first substrate;

the step of forming a reflective conductive film on or above the underlying film, the reflective conductive film being adapted to reflect light from outside of the second substrate; and

the step of forming a light-transmitting metal oxide film on the reflective conductive film so that an outer edge of the metal oxide film contacts the underlying film;

wherein the outer edge of the metal oxide film is adapted to transmit light from outside the first substrate, while the reflective conductive film reflects light from the outside of the second substrate, in each of the dot areas.

18. (Allowed) An electronic apparatus comprising a liquid crystal device according to Claim 1.

19. (New) A liquid crystal device comprising:

a liquid crystal arranged between first and second substrates;

a reflective conductive film formed on or above the first substrate, the reflective conductive film being separated into adjacent portions by an interval and having an edge;

a light-transmitting metal oxide film over the reflective conductive film, the metal oxide film being separated into adjacent portions by an interval, the metal oxide film having an edge that protrudes beyond the edge of the reflective conductive film;

a shading film formed on the second substrate, the shading film being opposite the interval between the adjacent portions of the metal oxide film, the shading film having a width equal to the interval between the adjacent portions of the metal oxide film and narrower than the interval between the adjacent portions of the reflective conductive film; and

an illuminator that irradiates the liquid crystal with light from outside the first substrate.

20. (New) A method of manufacturing a liquid crystal device including a liquid crystal arranged between first and second substrates, the method comprising:

forming a reflective conductive film on or above the first substrate, so that reflective conductive film is separated into adjacent portions by an interval and has an edge;

forming a light-transmitting metal oxide film over the reflective conductive film, so that metal oxide film is separated into adjacent portions by an interval and so that the metal oxide film has an edge that protrudes from the edge of the reflective conductive film;

forming a shading film on the second substrate so that the shading film is opposite the interval between the adjacent portions of the metal oxide film and so that the shading film has a width equal to the interval between the adjacent portions of the

metal oxide film and narrower than the interval between the adjacent portions of the reflective conductive film; and

providing an illuminator that irradiates the liquid crystal with light from outside the first substrate.